


Technical Documentation

CJM02565
Optim JM | AEHH8N_JM

Date: April 14, 2021

	
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Technical Data Sheet

Motor Type: AEHH8N_JM	Catalogue No: CJM02565
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Nameplate Information

HP	Pole	RPM	Frame	Voltage	Hz	Phase
25	6	1170	324JM	575	60	3
Enclosure	Ins. Class	Service Factor	Time Rating	NEMA Design	Rated Amb.	Rated Altitude
TEFC	F	1.15	Continuous	B	-40 to 40°C °C	<1000 m

Typical Performance

Efficiency (%)				Power Factor (%)		
Full Load		3/4 Load	1/2 Load	Full Load	3/4 Load	1/2 Load
Nom.	Min.					
93.00	91.70	93.60	93.60	83.00	80.00	71.50
Torque				Current (A)		
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	No Load	Full Load	Locked Rotor
112.20	200	155	205	6.9	24.3	146.40
NEMA KVA Code	Inertia (WR ²)			Safe Stall Time (s)		Noise Level Sound Press. dB(A)
	Rotor (lb-ft ²)	NEMA Load (lb-ft ²)	Max. Allowable (lb-ft ²)	Cold	Hot	
G	11.877	324.00	800.00	45	32	70.0

VFD Duty Information

Speed Range			VFD		S.F.
Constant Torque	Variable Torque	Constant Power	Carrier	Type	
6-60Hz	3-60Hz	60-120Hz	0	VPWM or CPWM	1.0 Only

Hazardous Locations Information

CSA Certified
Class I, Div 2, Groups B, C & D Class I, Zone 2, Groups IIB+H2, IIB & IIA
Temp Code (Sinewave / VFD) T3C / T3B

Additional Certifications

Other Certification

Additional Information

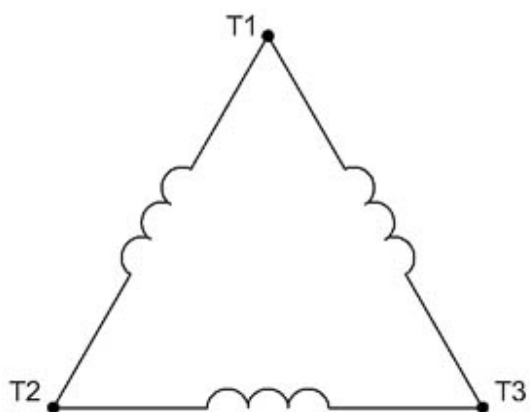
Bearings		Approx. Weight
DE	NDE	lbs
6312	6212	656

Nameplate Drawing

Optim JM

TYPE	AEHH8N JM		CAT. NO.	CJM02565		
OUTPUT	25 HP	18.65 kW	FRAME	324JM	TEFC	
R.P.M.	1170		POLE	6	INS.	F
VOLTS	575		PHASE	3	Hz	60
AMPS	24.3		CODE	G	S.F.	1.15
AMBIENT	40 °C		NOM. EFF. 93.00		MIN. EFF. 91.70	
BEARINGS	6312 / 6212				RATING Cont.	
SER. NO.	TBD		DESIGN	B	WT. 656 LBS	
PWM VFD DUTY	VT	CT	CP		S.F.	
	3-60Hz	6-60Hz	60-120Hz		1.0 Only	

Connection Diagram



3 LEAD		SINGLE VOLTAGE			DELTA
VOLTAGE	CONN.	L1	L2	L3	
-	DELTA	1	2	3	

WD_3D